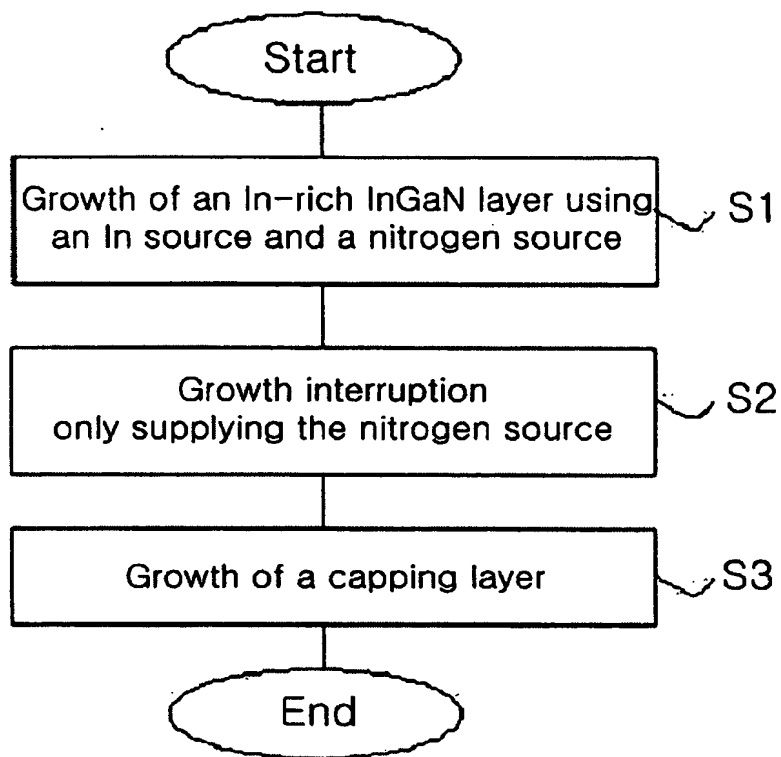


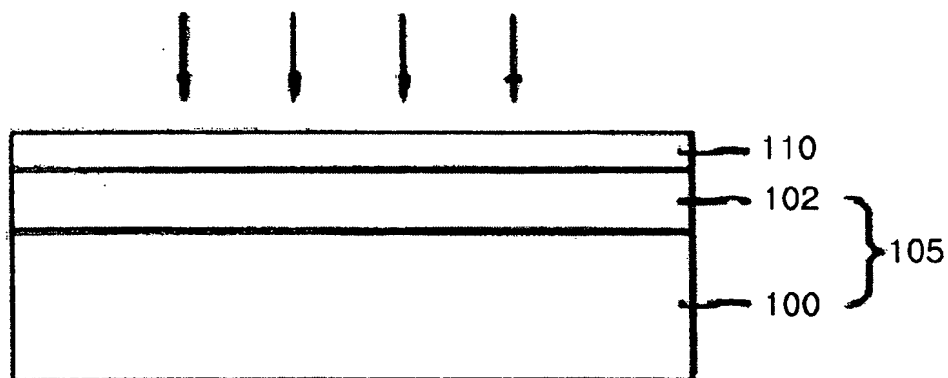
1/8

FIG. 1

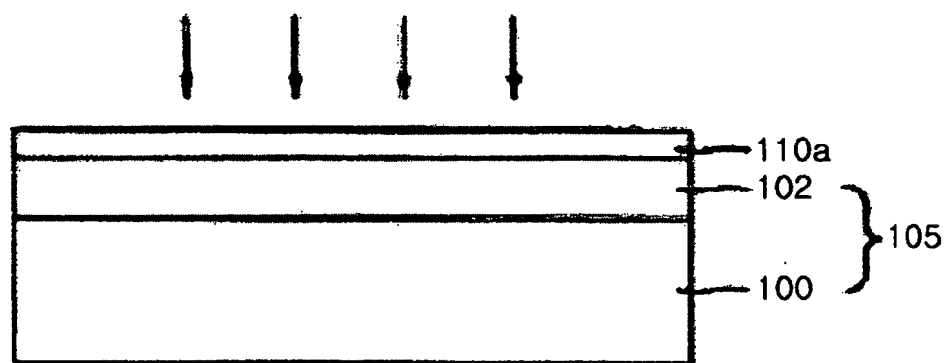
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FIG. 2

group III source + nitrogen source/at a high temperature

**FIG. 3**

nitrogen source/at a high temperature



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FIG. 4

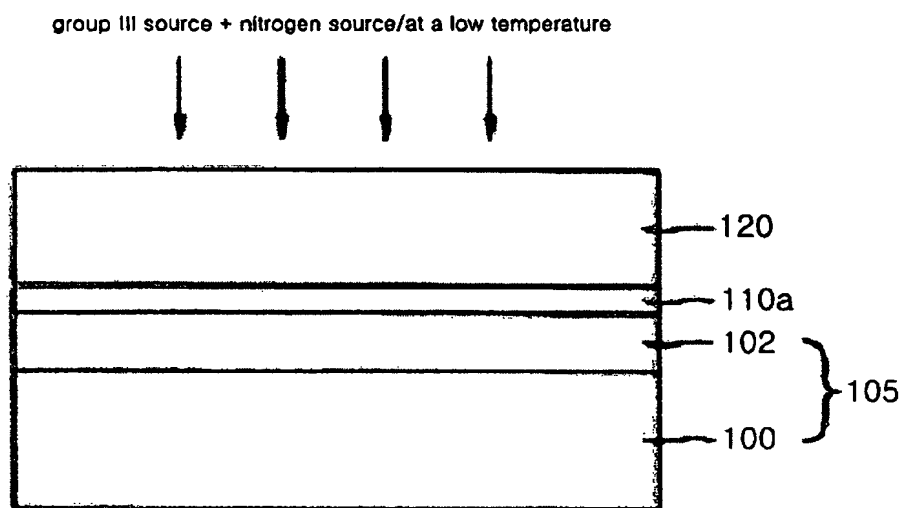
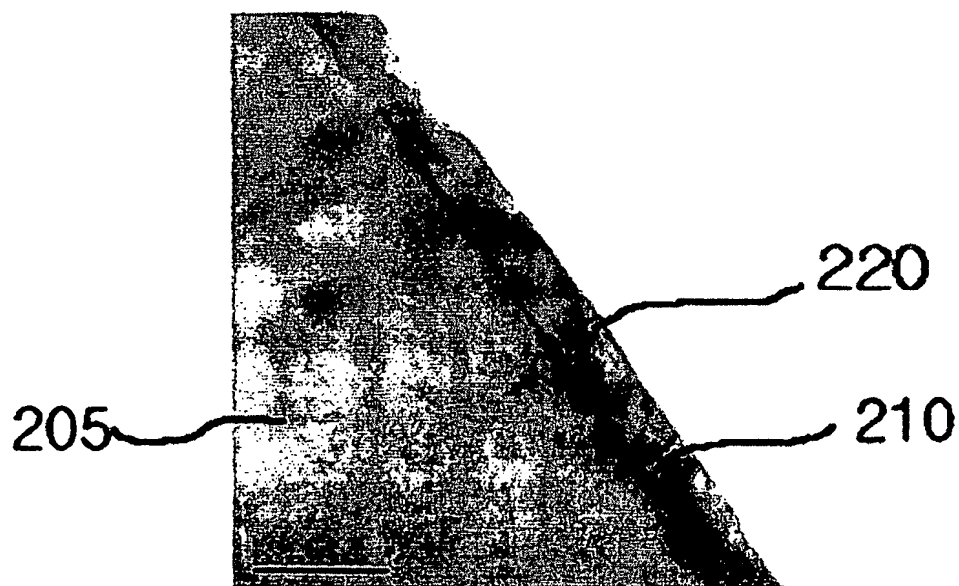


FIG. 5



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FIG. 6

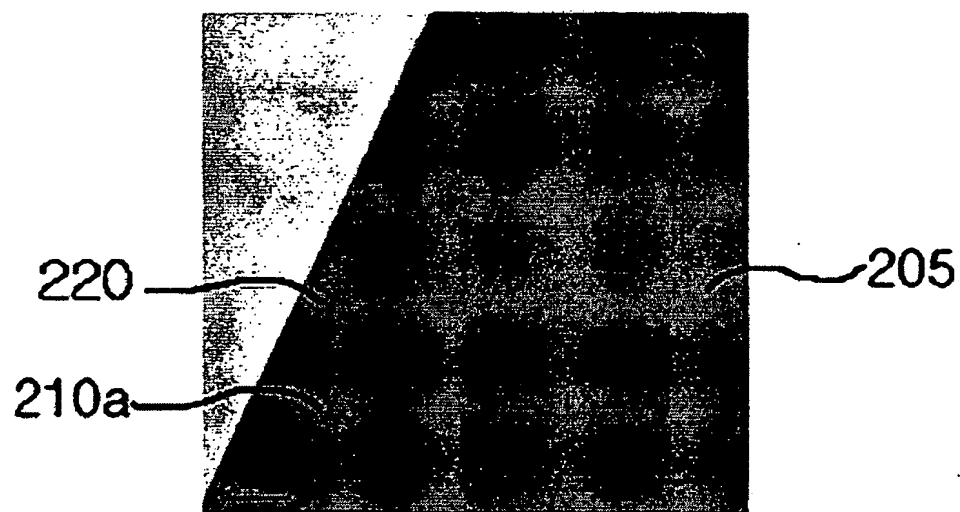
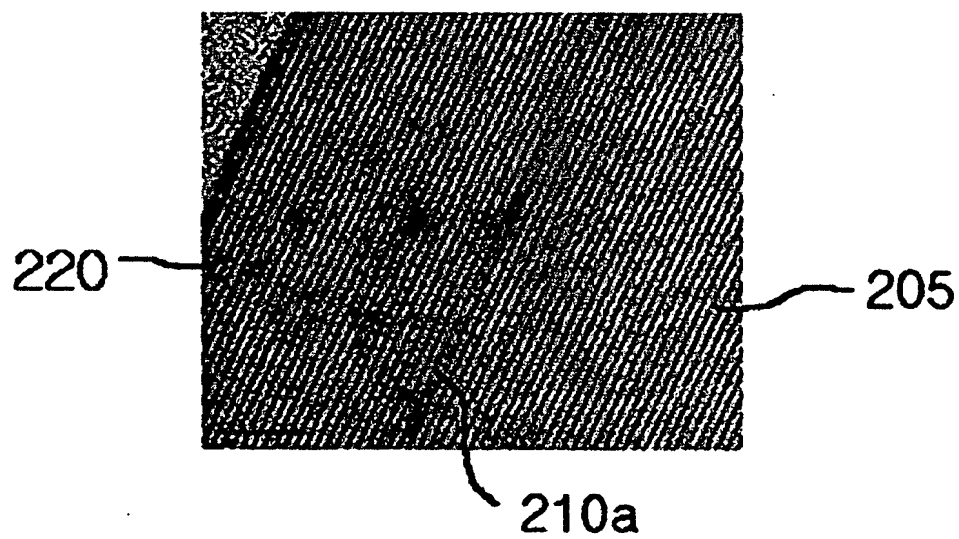
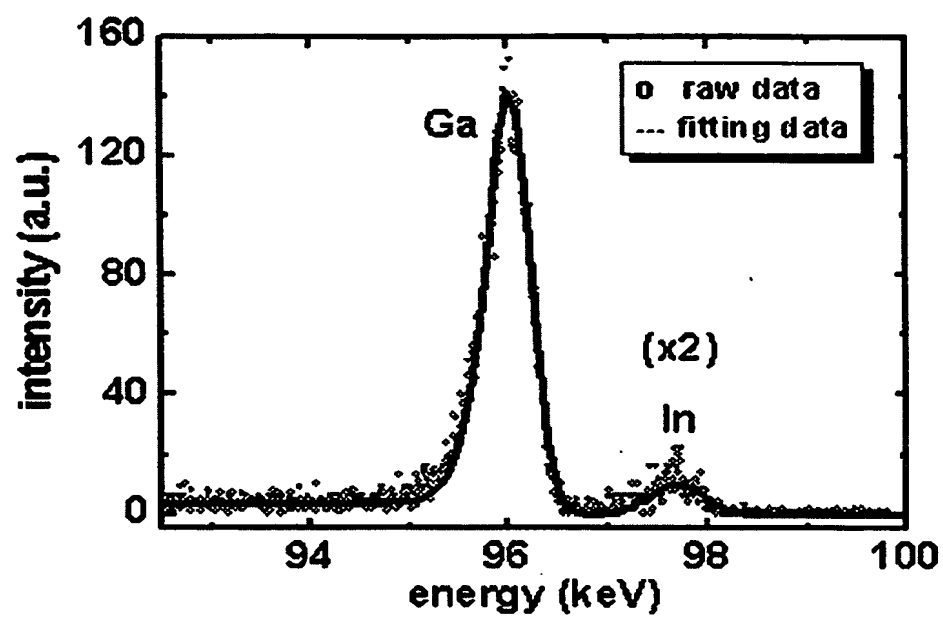


FIG. 7



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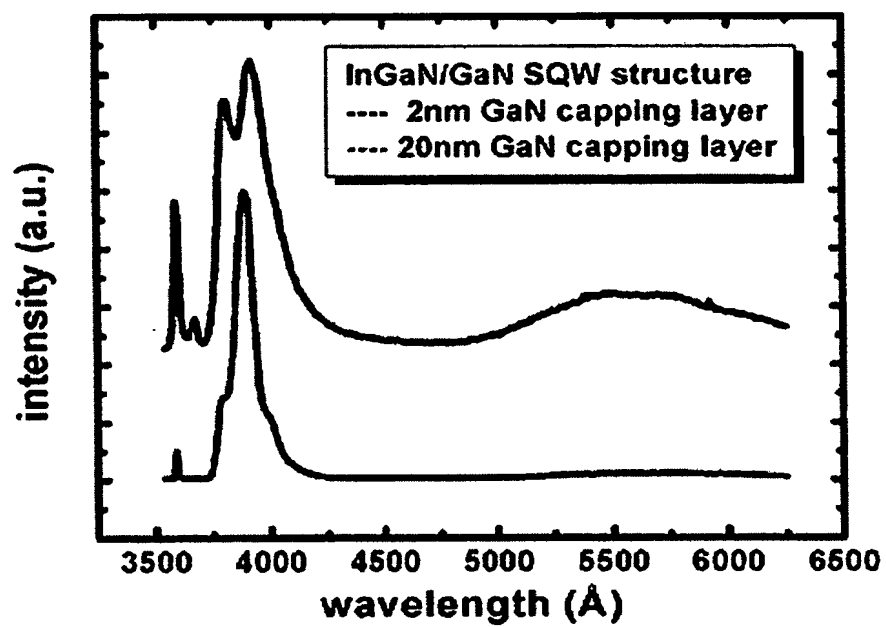
FIG. 8



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FIG. 9



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FIG. 10

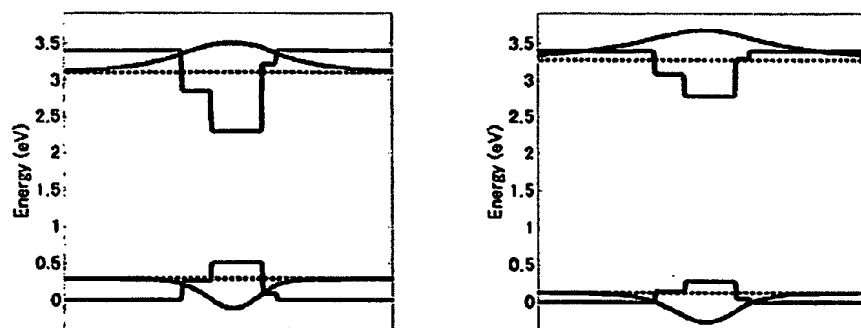


FIG. 11

InN	$E_g = 0.7 \text{ eV}$	$m^*_e = 0.042 m_0$	$m^*_{hh} = 1.6 m_0$	(Case I)
	$E_g = 1.9 \text{ eV}$	$m^*_e = 0.11 m_0$	$m^*_{hh} = 1.6 m_0$	(Case II)
GaN	$E_g = 3.4 \text{ eV}$	$m^*_e = 0.20 m_0$	$m^*_{hh} = 1.9 m_0$	

Energy level	$E_{c,0}$	$E_{v,0}$	Emission energy level
Case I	3.0982 eV	0.2907 eV	2.8075 eV (442 nm)
Case II	3.2826 eV	0.1265 eV	3.1561 eV (393 nm)

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FIG. 12

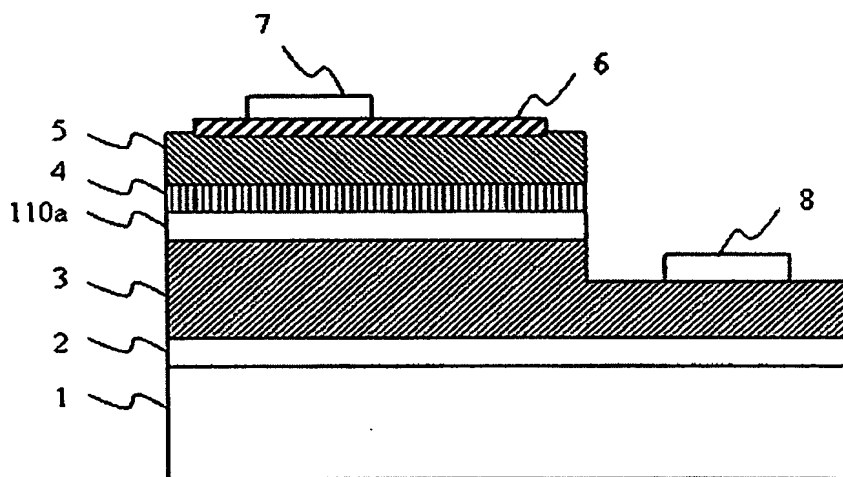
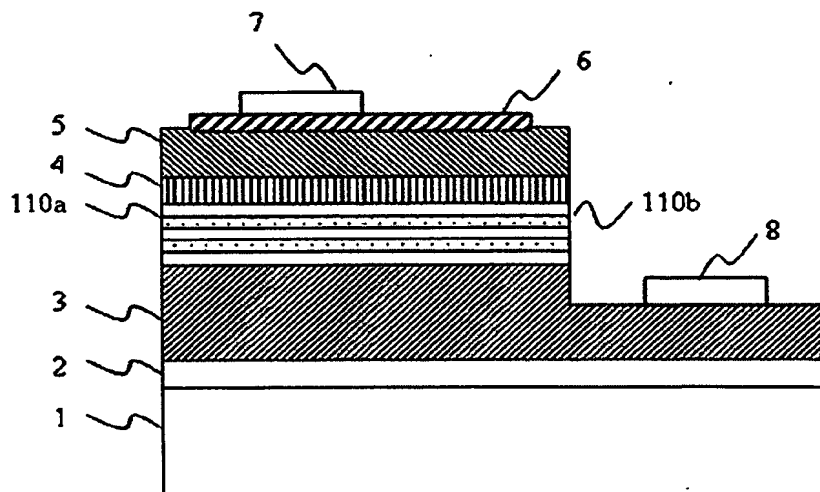


FIG. 13



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